



US Utility 50229-420 Sequence Listing.txt
SEQUENCE LISTING

<110> University of Kentucky Research Foundation
JONES, Grace
JONES, Davy

<120> MUTANTS AND ASSAY SYSTEM TO IDENTIFY USP/RXR LIGANDS

<130> 050229-0420

<140> 10/719,024

<141> 2003-11-24

<150> 60/428,282

<151> 2002-11-22

<160> 23

<170> PatentIn version 3.3

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<212> DNA

<213> Drosophila melanogaster

<400> 1

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cgttctccat	ccgaaaaatg	tttcattgtg	attgcgtttg	tttgcatctt	tcctctctat	1980
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 <213> Drosophila melanogaster

<400> 2

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			20					25					30		

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Ser Phe Ser Pro Lys Ala Glu Ser Pro Val Pro Phe Met Gln Ala Met
35 40 45

Ser Met Val His Val Leu Pro Gly Ser Asn Ser Ala Ser Ser Asn Asn
50 55 60

Asn Ser Ala Gly Asp Ala Gln Met Ala Gln Ala Pro Asn Ser Ala Gly
65 70 75 80

Gly Ser Ala Ala Ala Val Gln Gln Gln Tyr Pro Pro Asn His Pro
85 90 95

Leu Ser Gly Ser Lys His Leu Cys Ser Ile Cys Gly Asp Arg Ala Ser
100 105 110

Gly Lys His Tyr Gly Val Tyr Ser Cys Glu Gly Cys Lys Gly Phe Phe
115 120 125

Lys Arg Thr Val Arg Lys Asp Leu Thr Tyr Ala Cys Arg Glu Asn Arg
130 135 140

Asn Cys Ile Ile Asp Lys Arg Gln Arg Asn Arg Cys Gln Tyr Cys Arg
145 150 155 160

Tyr Gln Lys Cys Leu Thr Cys Gly Met Lys Arg Glu Ala Val Gln Glu
165 170 175

Glu Arg Gln Arg Gly Ala Arg Asn Ala Ala Gly Arg Leu Ser Ala Ser
180 185 190

Gly Gly Gly Ser Ser Gly Pro Gly Ser Val Gly Gly Ser Ser Ser Gln
195 200 205

Gly Gly Gly Gly Gly Gly Gly Val Ser Gly Gly Met Gly Ser Gly Asn
210 215 220

Gly Ser Asp Asp Phe Met Thr Asn Ser Val Ser Arg Asp Phe Ser Ile
225 230 235 240

Glu Arg Ile Ile Glu Ala Glu Gln Arg Ala Glu Thr Gln Cys Gly Asp
245 250 255

Arg Ala Leu Thr Phe Leu Arg Val Gly Pro Tyr Ser Thr Val Gln Pro
260 265 270

Asp Tyr Lys Gly Ala Val Ser Ala Leu Cys Gln Val Val Asn Lys Gln
275 280 285

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Leu Phe Gln Met Val Glu Tyr Ala Arg Met Met Pro His Phe Ala Gln
 290 295 300
 Val Pro Leu Asp Asp Gln Val Ile Leu Leu Lys Ala Ala Trp Ile Glu
 305 310 315 320
 Leu Leu Ile Ala Asn Val Ala Trp Cys Ser Ile Val Ser Leu Asp Asp
 325 330 335
 Gly Gly Ala Gly Gly Gly Gly Gly Gly Leu Gly His Asp Gly Ser Phe
 340 345 350
 Glu Arg Arg Ser Pro Gly Leu Gln Pro Gln Gln Leu Phe Leu Asn Gln
 355 360 365
 Ser Phe Ser Tyr His Arg Asn Ser Ala Ile Lys Ala Gly Val Ser Ala
 370 375 380
 Ile Phe Asp Arg Ile Leu Ser Glu Leu Ser Val Lys Met Lys Arg Leu
 385 390 395 400
 Asn Leu Asp Arg Arg Glu Leu Ser Cys Leu Lys Ala Ile Ile Leu Tyr
 405 410 415
 Asn Pro Asp Ile Arg Gly Ile Lys Ser Arg Ala Glu Ile Glu Met Cys
 420 425 430
 Arg Glu Lys Val Tyr Ala Cys Leu Asp Glu His Cys Arg Leu Glu His
 435 440 445
 Pro Gly Asp Asp Gly Arg Phe Ala Gln Leu Leu Leu Arg Leu Pro Ala
 450 455 460
 Leu Arg Ser Ile Ser Leu Lys Cys Gln Asp His Leu Phe Leu Phe Arg
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<210> 3
 <211> 61
 <212> DNA
 <213> Trichoplusia ni granulovirus

<400> 3

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<222> (7)..(18)
 <223> N is A, T, G or C

 <220>
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 <222> (8)..(18)
 <223> Any one of these 11 N's may or may not be present

 <400> 8
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 <210> 9
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 <222> (20)..(20)
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 <210> 12
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 <400> 14
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 <210> 15
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<213> Artificial sequence

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<212> DNA
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<210> 23
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